

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P303623

Luminaire Tested: **PR6FS12D010 PR6M12WD8FSBZ 2000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303623
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12WD8FSBZ 2000Lm3000K
Description: PR6 WIDE LENS WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1899.7 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.26
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

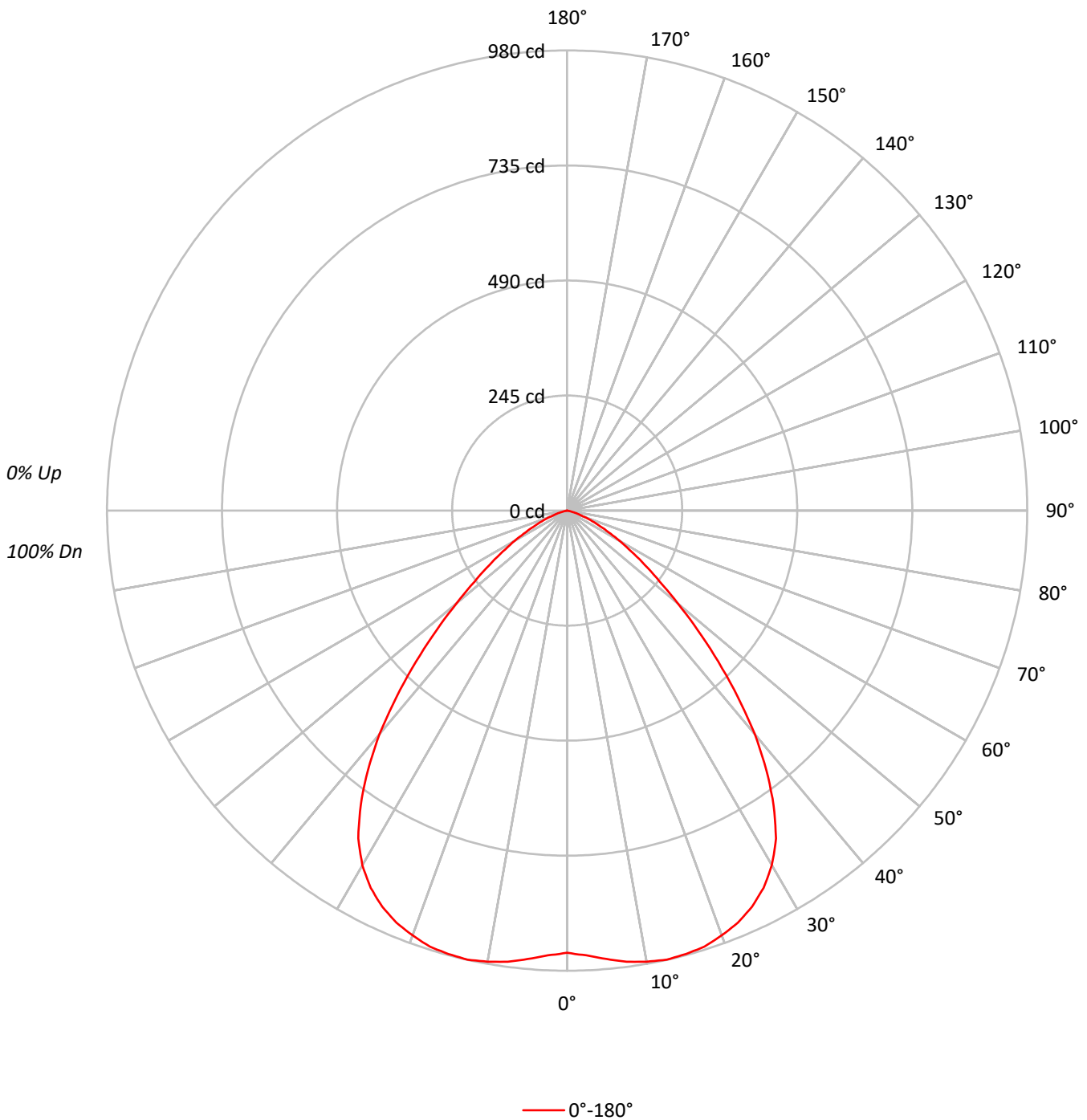
Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303623

CATALOG NUMBER: PR6FS12D010 PR6M12WD8FSBZ 2000Lm3000K

Luminous Intensity Polar Plot





TEST NUMBER: P303623

CATALOG NUMBER: PR6FS12D010 PR6M12WD8FSBZ 2000Lm3000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	98		98	96	95		95	93	92	90
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	88	82	77	95	87	81	76	84	79	75		82	77	74		79	76	73	71
4	90	80	73	68	88	79	72	67	77	71	66		75	70	66		73	68	65	63
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		67	62	58	56
6	78	67	59	54	76	66	59	53	64	58	53		63	57	53		61	56	52	50
7	73	61	54	48	71	61	53	48	59	53	48		58	52	48		56	51	47	46
8	68	56	49	44	67	56	49	44	55	48	43		53	48	43		52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40		50	44	40		49	43	39	38
10	60	48	41	37	59	48	41	37	47	41	36		46	40	36		45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	61444
5°	62779
10°	64624
15°	66029
20°	66845
25°	67032
30°	65706
35°	61079
40°	52930
45°	41989
50°	31220
55°	23010
60°	16767
65°	11377
70°	7229
75°	3176
80°	789
85°	0



TEST NUMBER: P303623

CATALOG NUMBER: PR6FS12D010 PR6M12WD8FSBZ 2000Lm3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.1	4.8
10°-20°	276.2	14.5
20°-30°	427.5	22.5
30°-40°	474.2	25.0
40°-50°	351.7	18.5
50°-60°	184.9	9.7
60°-70°	76.5	4.0
70°-80°	16.3	0.9
80°-90°	0.3	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	795.8	41.9
0°-40°	1269.9	66.9
0°-60°	1806.6	95.1
0°-90°	1899.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1899.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	942	
5°	959	92
15°	978	276
25°	931	428
35°	767	474
45°	455	352
55°	202	185
65°	74	77
75°	13	16
85°	0	0
90°	0	



TEST NUMBER: P303623

CATALOG NUMBER: PR6FS12D010 PR6M12WD8FSBZ 2000Lm3000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	941.8
2.5°	948.1
5°	958.6
7.5°	969.2
10°	975.5
12.5°	979.7
15°	977.6
17.5°	973.4
20°	962.8
22.5°	950.2
25°	931.2
27.5°	906.0
30°	872.2
32.5°	828.0
35°	766.9
37.5°	697.4
40°	621.5
42.5°	537.3
45°	455.1
47.5°	377.1
50°	307.6
52.5°	248.6
55°	202.3
57.5°	162.2
60°	128.5
62.5°	99.0
65°	73.7
67.5°	54.8
70°	37.9
72.5°	25.3
75°	12.6
77.5°	4.2
80°	2.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)